

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082021\
 Data File : VD070199.D
 Acq On : 20 Aug 2021 13:25
 Operator : VA/SY
 Sample : M3418-18
 Misc : 11.63G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 23 03:52:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

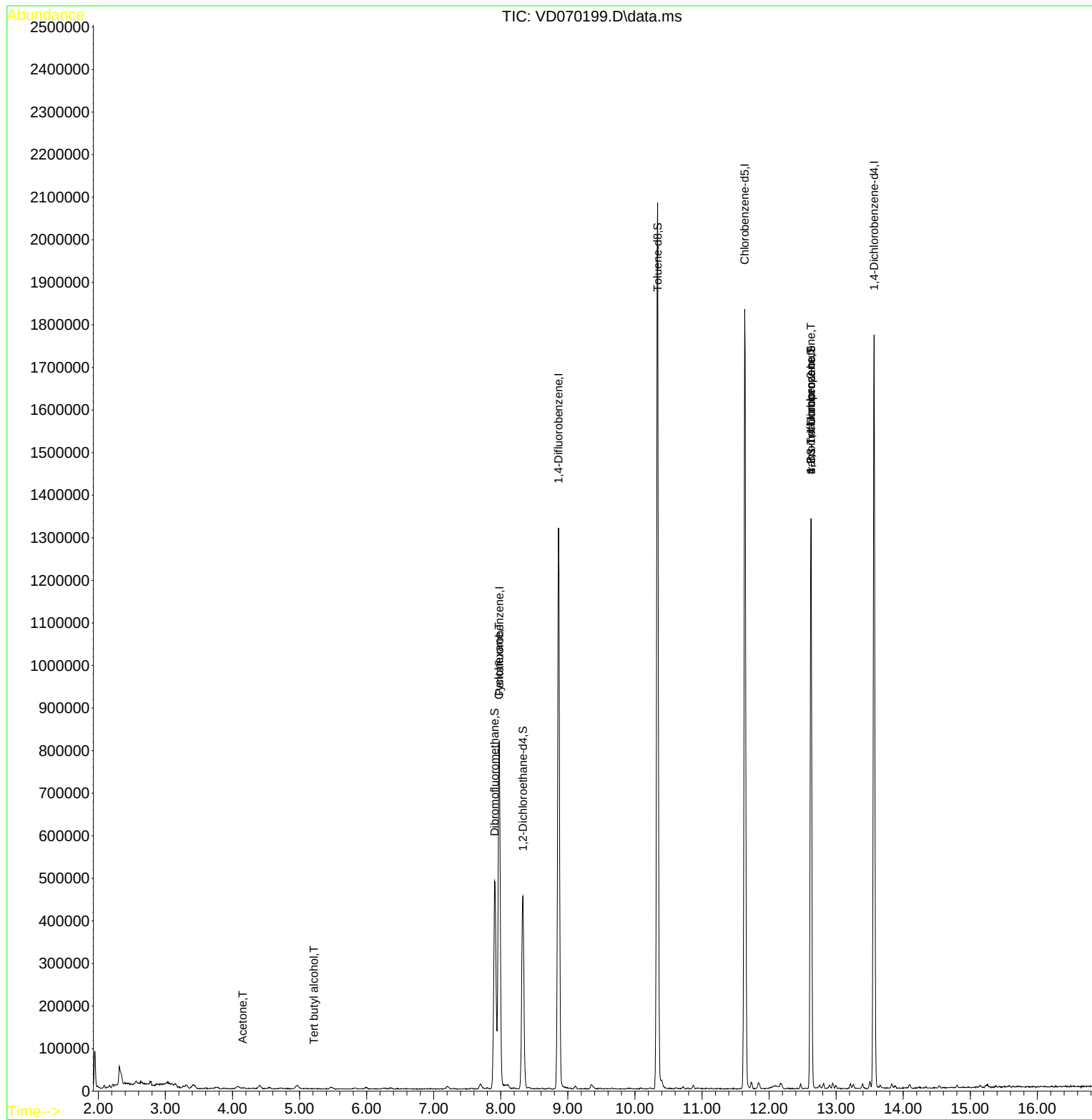
Internal Standards						
1) Pentafluorobenzene	7.979	168	567207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1097810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1057882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	459406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	358929	53.802	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 107.600%		
35) Dibromofluoromethane	7.908	113	358839	50.594	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 101.180%		
50) Toluene-d8	10.338	98	1401633	50.809	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 101.620%		
62) 4-Bromofluorobenzene	12.626	95	465002	51.177	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 102.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2456	Below Cal	#	66
3) Chloromethane	2.215	50	3816	Below Cal	#	80
5) Bromomethane	2.785	94	4677	Below Cal		88
11) Tert butyl alcohol	5.214	59	767	2.080	ug/l #	71
16) Acetone	4.150	43	1821	1.482	ug/l	100
20) Methylene Chloride	4.950	84	3490	Below Cal		88
31) Cyclohexane	7.973	56	17209	1.303	ug/l #	2
76) 1,2,3-Trichloropropane	12.626	75	225116	48.318	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	225116	125.417	ug/l #	18

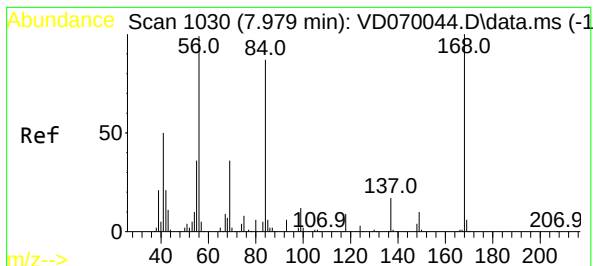
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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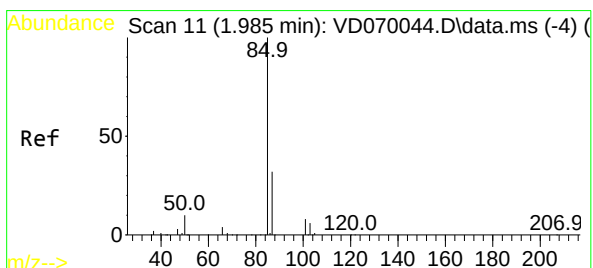
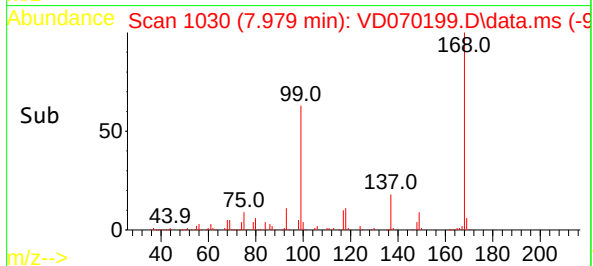
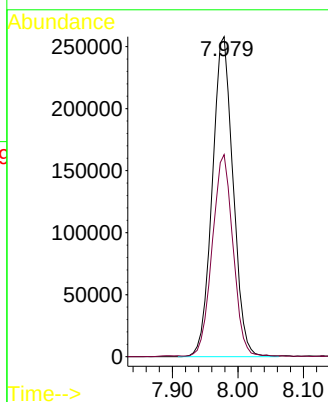
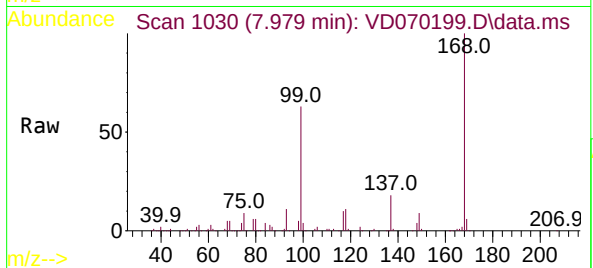


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.000 min
 Lab File: VD070199.D
 Acq: 20 Aug 2021 13:25

Instrument :
 MSVOA_D
 ClientSampleId :

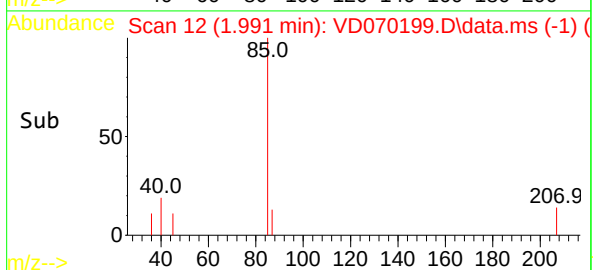
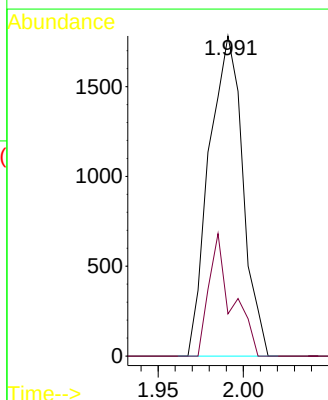
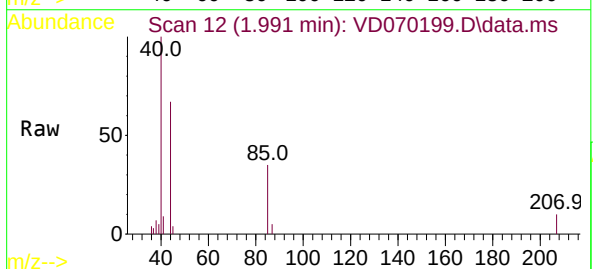
Tgt Ion:168 Resp: 567207
 Ion Ratio Lower Upper
 168 100
 99 62.9 50.3 75.5

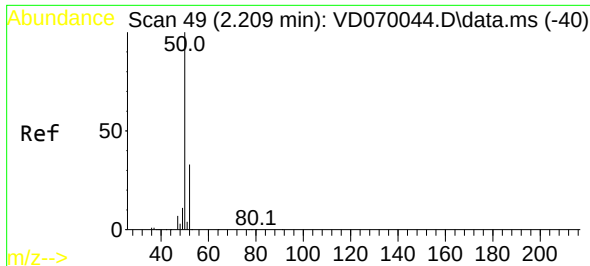


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.991 min Scan# 12
 Delta R.T. 0.006 min
 Lab File: VD070199.D
 Acq: 20 Aug 2021 13:25

Tgt Ion: 85 Resp: 2456
 Ion Ratio Lower Upper
 85 100
 87 13.2 16.2 48.6#

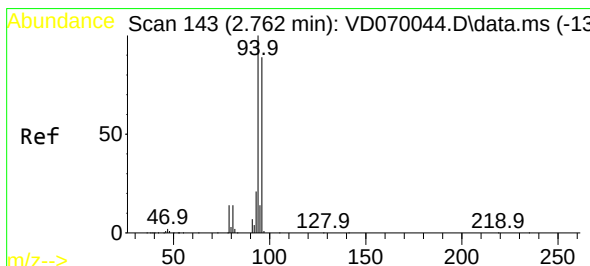
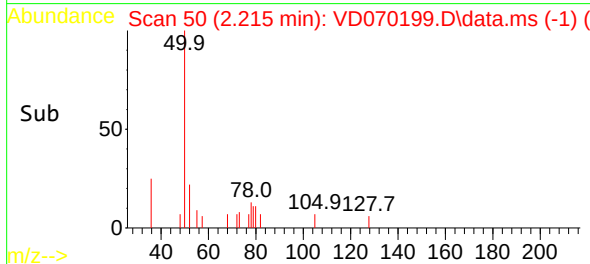
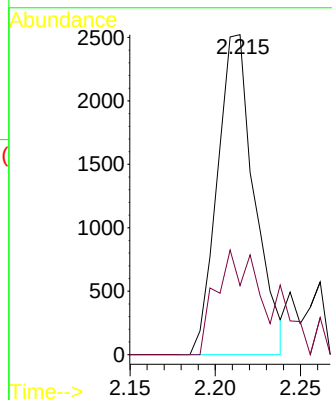
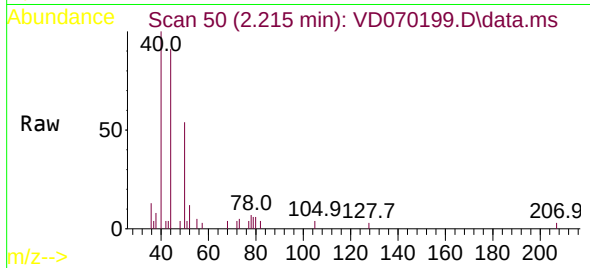




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

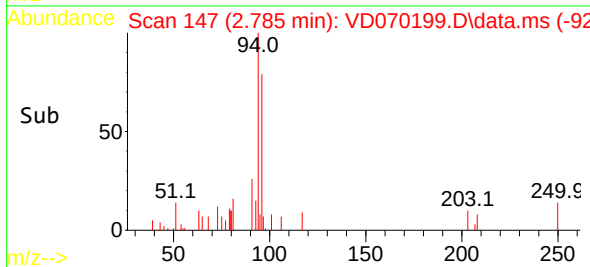
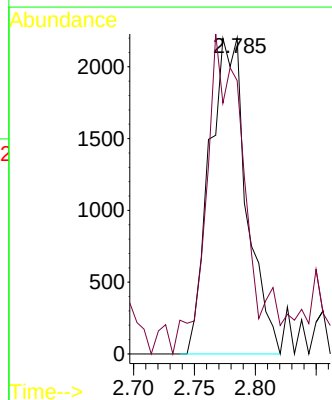
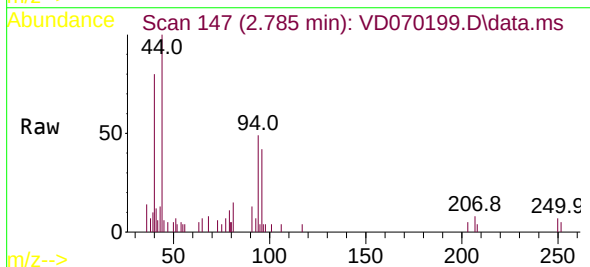
Instrument :
MSVOA_D
ClientSampleId :

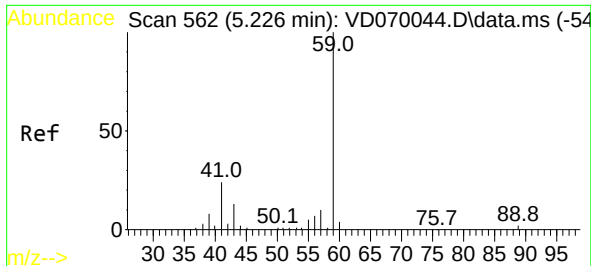
Tgt Ion: 50 Resp: 3816
Ion Ratio Lower Upper
50 100
52 21.6 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Tgt Ion: 94 Resp: 4677
Ion Ratio Lower Upper
94 100
96 77.5 70.9 106.3



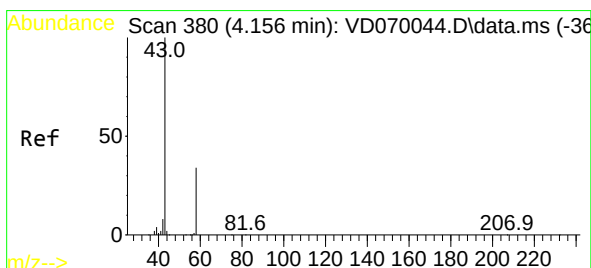
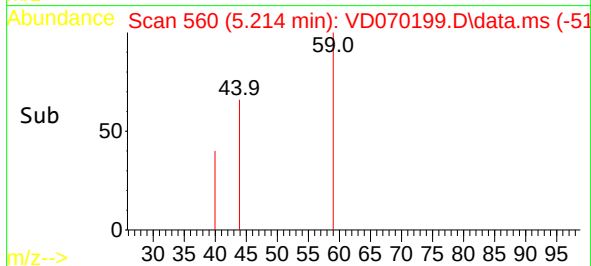
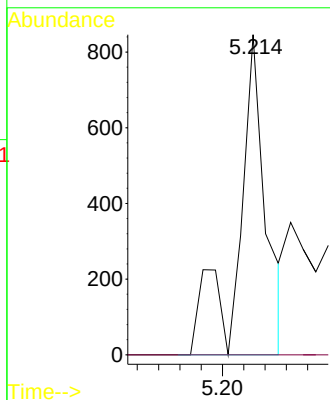
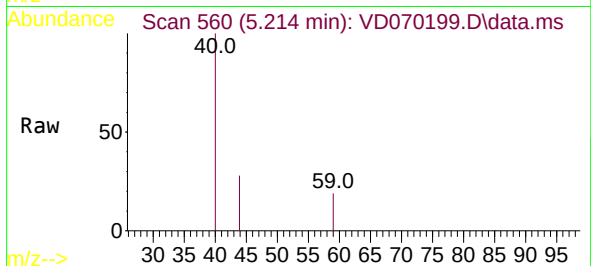


#11

Tert butyl alcohol
Concen: 2.080 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Instrument :
MSVOA_D
ClientSampled :

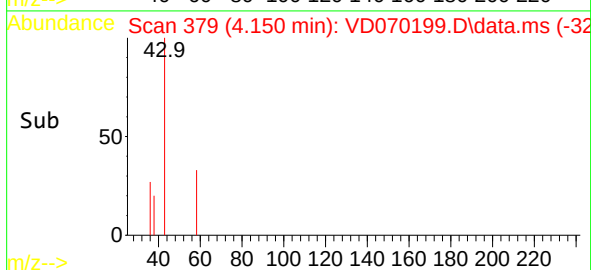
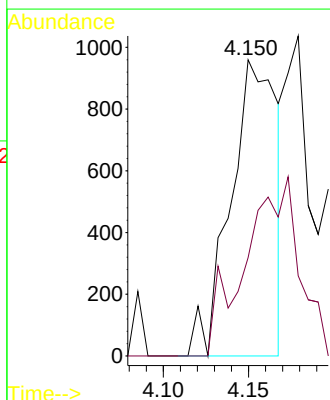
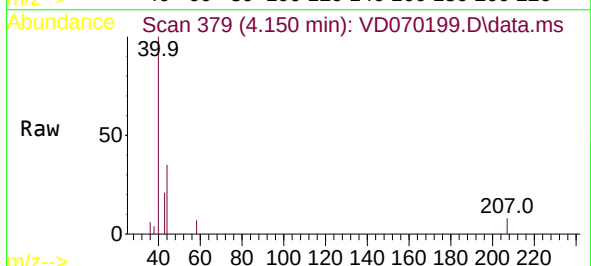
Tgt Ion: 59 Resp: 767
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

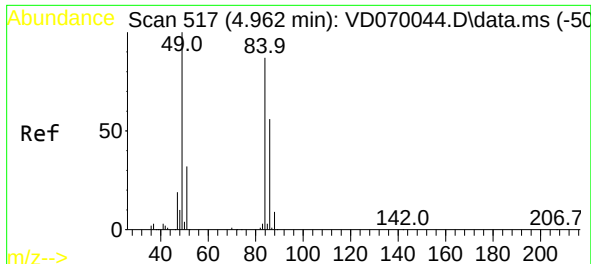


#16

Acetone
Concen: 1.482 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

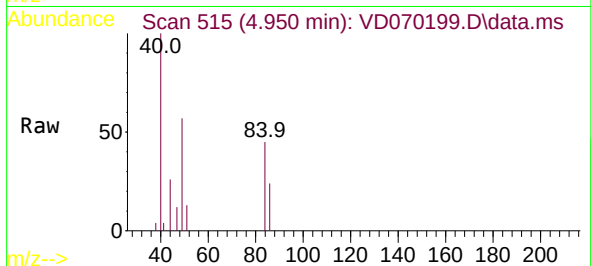
Tgt Ion: 43 Resp: 1821
Ion Ratio Lower Upper
43 100
58 33.2 26.8 40.2



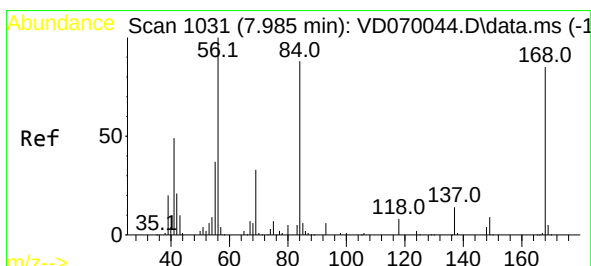
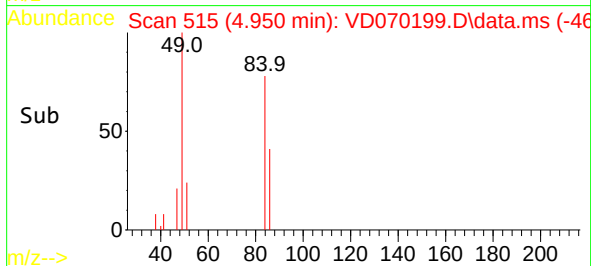
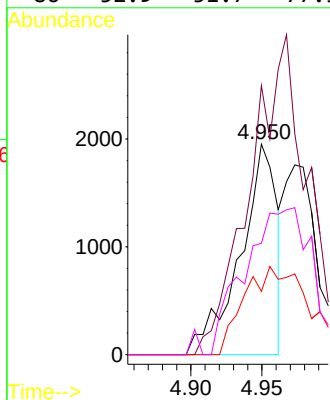


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Instrument :
MSVOA_D
ClientSampled :

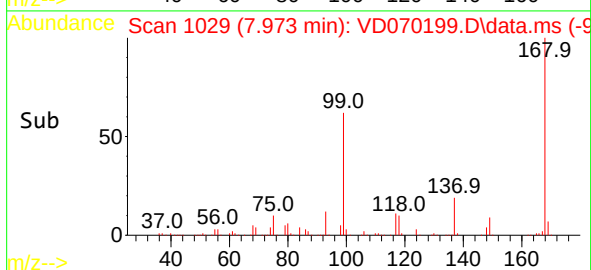
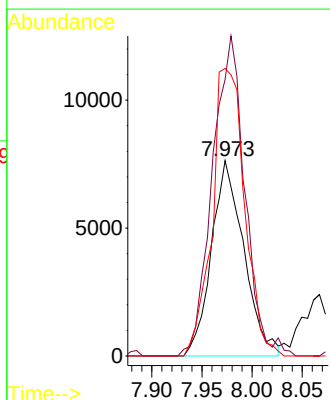
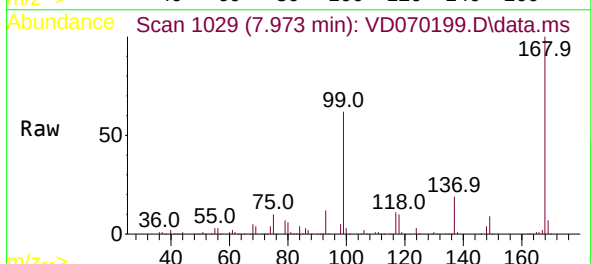


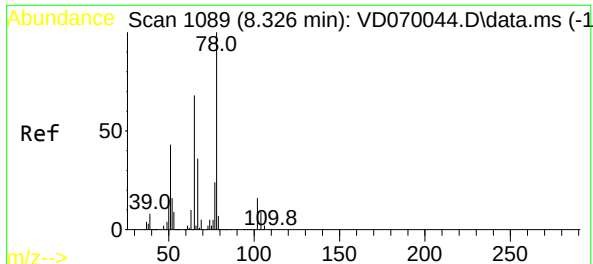
Tgt Ion:	84	Resp:	3490
Ion	Ratio	Lower	Upper
84	100		
49	127.8	92.5	138.7
51	30.1	29.7	44.5
86	52.9	51.7	77.5



#31
Cyclohexane
Concen: 1.303 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Tgt Ion:	56	Resp:	17209
Ion	Ratio	Lower	Upper
56	100		
69	141.5	26.7	40.1#
84	147.2	70.4	105.6#

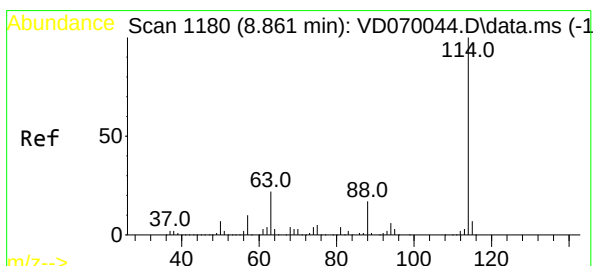
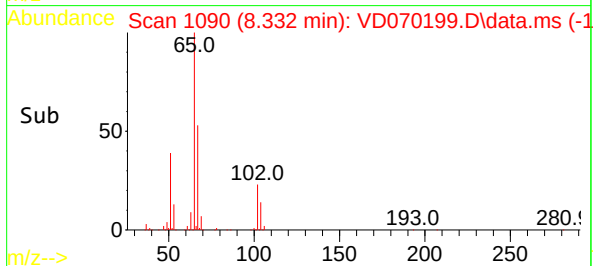
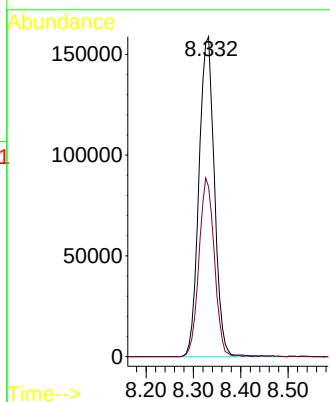
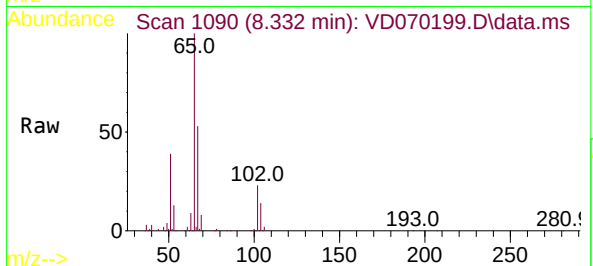




#33
1,2-Dichloroethane-d4
Concen: 53.802 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

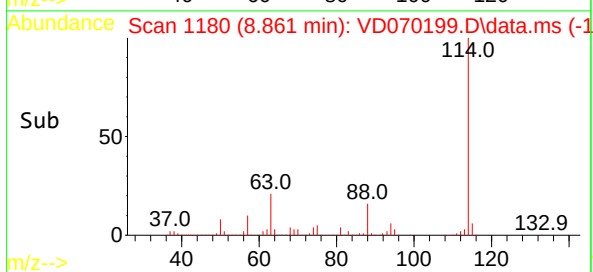
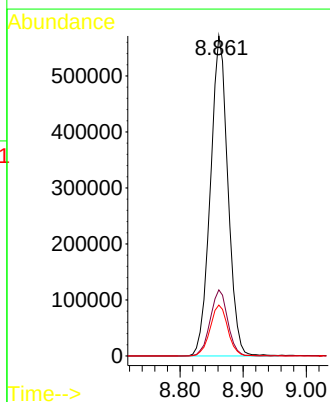
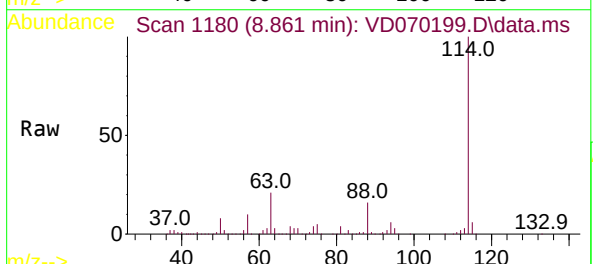
Instrument :
MSVOA_D
ClientSampleId :

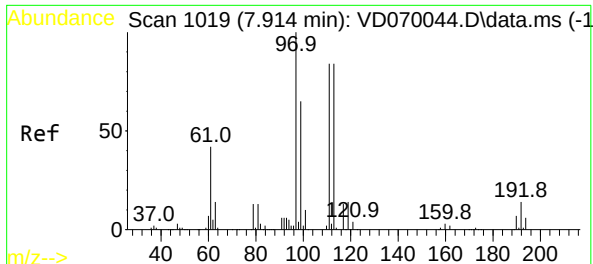
Tgt Ion: 65 Resp: 358929
Ion Ratio Lower Upper
65 100
67 55.6 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Tgt Ion: 114 Resp: 1097810
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.6
88 15.9 0.0 33.4



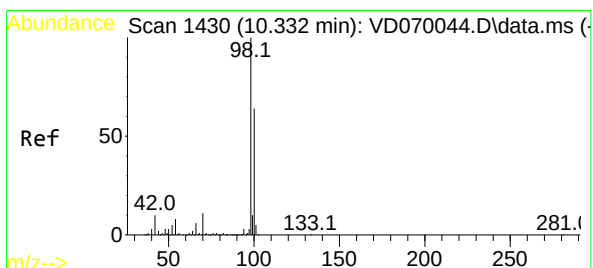
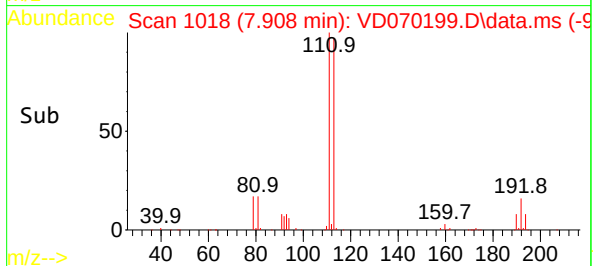
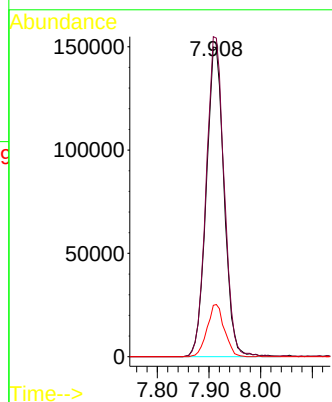
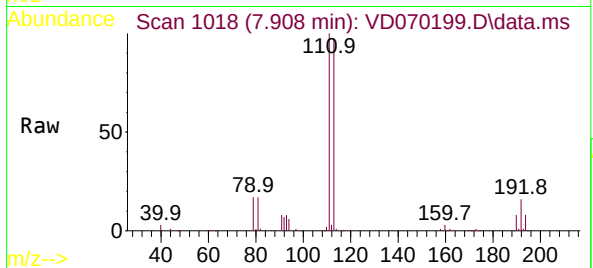


#35

Dibromofluoromethane
Concen: 50.594 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Instrument :
MSVOA_D
ClientSampleId :

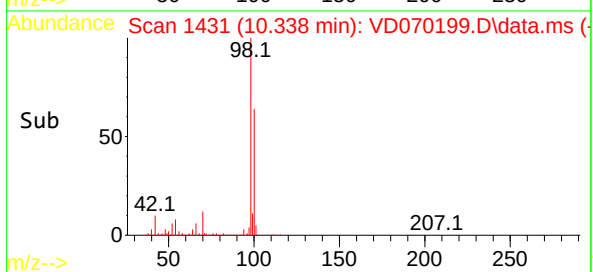
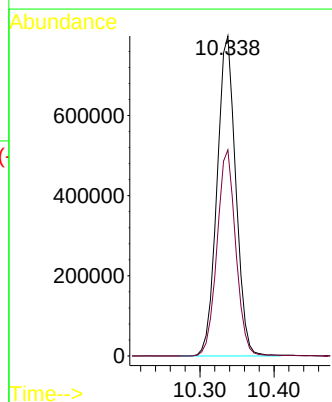
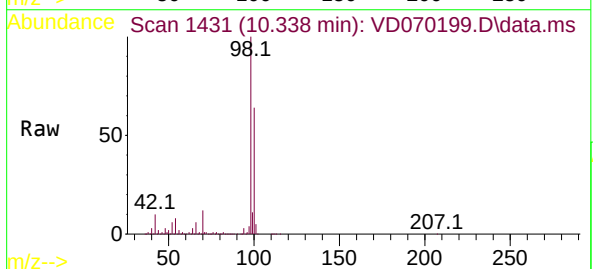
Tgt Ion:113 Resp: 358839
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.6
192 16.3 13.2 19.8

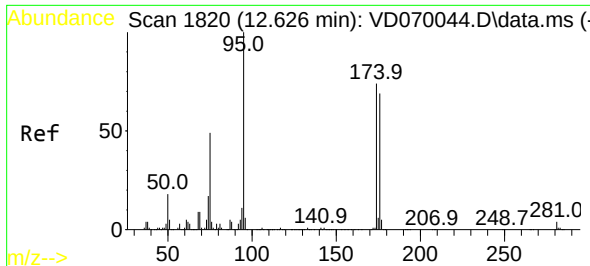


#50

Toluene-d8
Concen: 50.809 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Tgt Ion: 98 Resp: 1401633
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

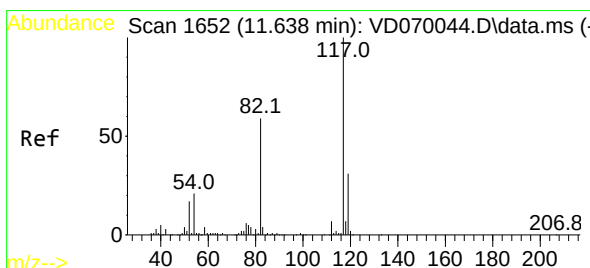
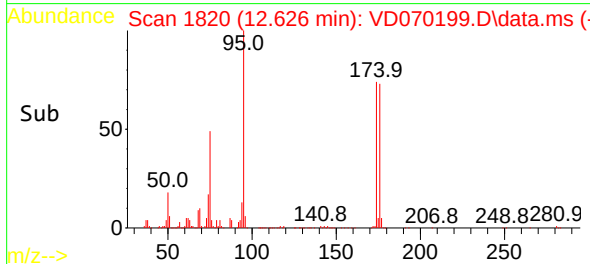
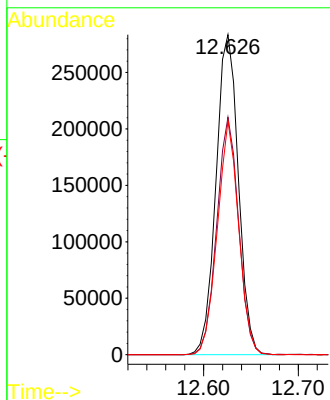
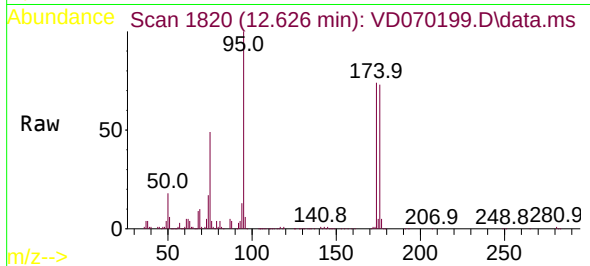




#62
4-Bromofluorobenzene
Concen: 51.177 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

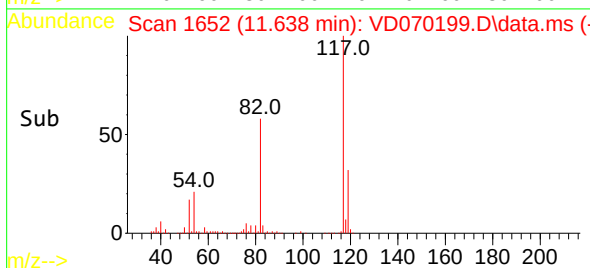
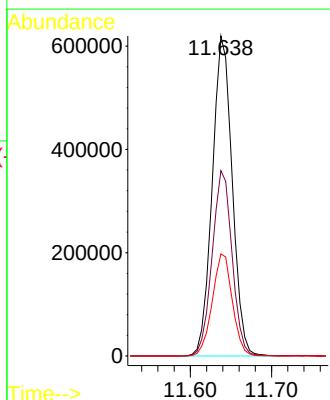
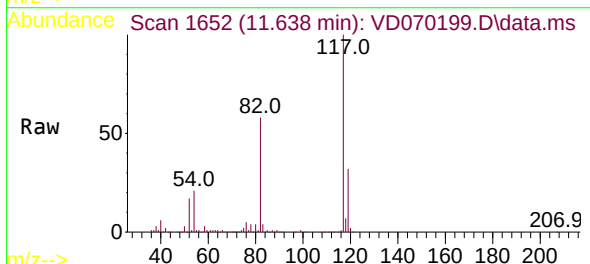
Instrument :
MSVOA_D
ClientSampleId :

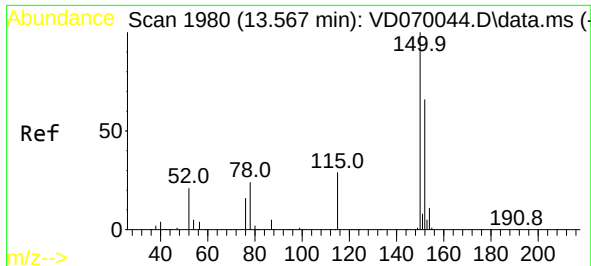
Tgt Ion: 95 Resp: 465002
Ion Ratio Lower Upper
95 100
174 72.7 0.0 141.6
176 69.6 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070199.D
Acq: 20 Aug 2021 13:25

Tgt Ion: 117 Resp: 1057882
Ion Ratio Lower Upper
117 100
82 57.9 47.5 71.3
119 31.9 25.1 37.7

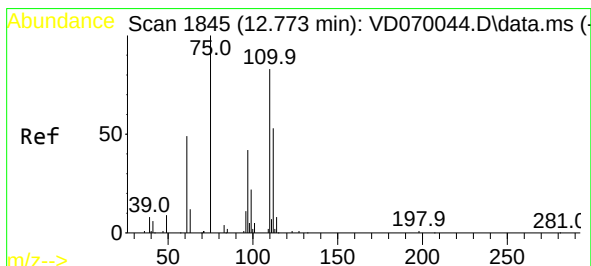
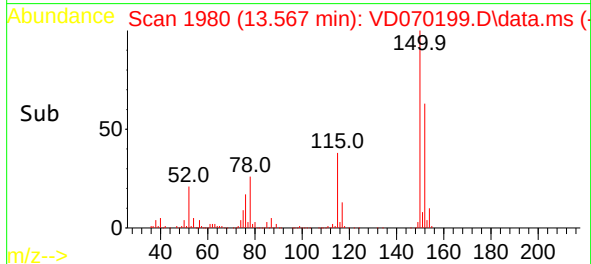
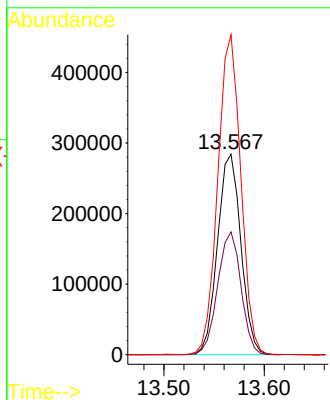
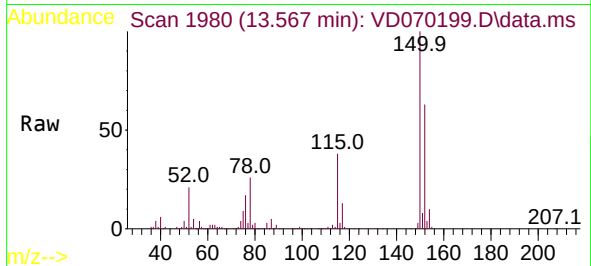




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070199.D
 Acq: 20 Aug 2021 13:25

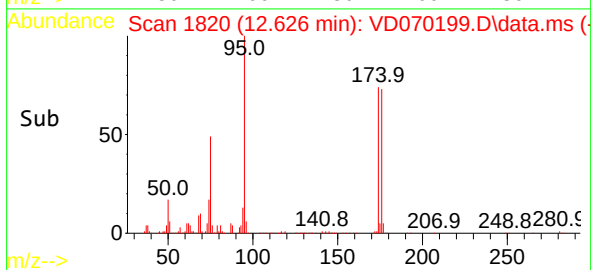
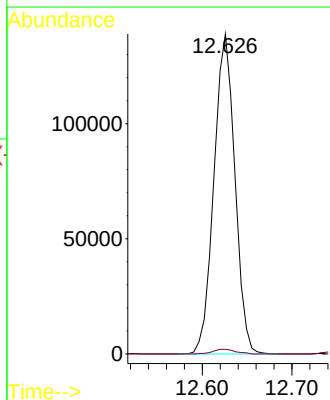
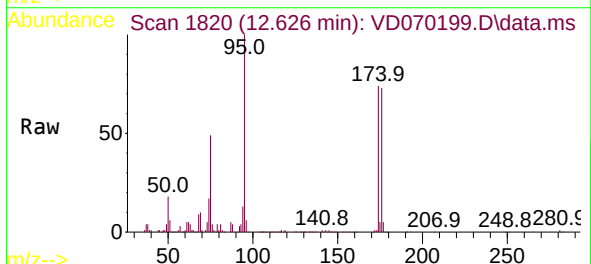
Instrument :
 MSVOA_D
 ClientSampleId :

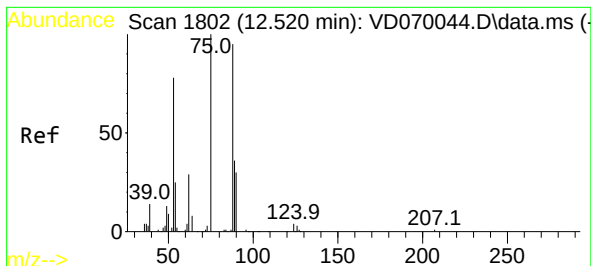
Tgt Ion:152 Resp: 459406
 Ion Ratio Lower Upper
 152 100
 115 61.1 31.2 93.6
 150 157.1 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 48.318 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070199.D
 Acq: 20 Aug 2021 13:25

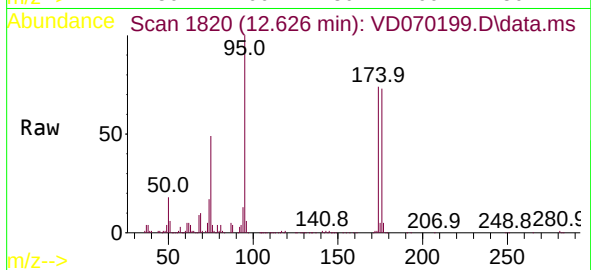
Tgt Ion: 75 Resp: 225116
 Ion Ratio Lower Upper
 75 100
 77 1.6 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.417 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070199.D
 Acq: 20 Aug 2021 13:25

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 225116

Ion	Ratio	Lower	Upper
75	100		
53	0.3	64.5	96.7#
89	0.0	33.7	50.5#

